



R

F



ORANGE COUNTY AMATEUR RADIO CLUB

VOL XV, NO 2

P.O. BOX 95, ORANGE, CALIF. 92668

FEBRUARY, 1974

MARCH
G.G. PLANETARIUM

MAY
HEATHKIT CENTER

**SEE YOU AT THE
FEB. MEETING
"SOURCES OF
POWER NOISE"**

APRIL
PRINTED CIRCUIT BOARDS

JUNE
FIELD DAY REVIEW

— 1974 CLUB OFFICERS —

PRESIDENT	KEN KONECHY	W6HHC	541-6249
V. PRESIDENT	ART SHELDON	WA6LHB	832-9676
TREASURER	HAROLD RICHARDS	WA6BJO	544-0083
ACTIVITIES	MARTIN RAYMOND	WB6PEX	532-4090
SECRETARY	TINA MCCARTHY	WN6WFV	538-6072
MEMBERSHIP	TED GLICK	K6LJA	542-1390
PUBLICITY	FRIED HEYN	WA6WZO	838-9078
TVI	KEI YAMACHIKI	W6NGO	538-8942
M.A.L.	ERNIE FUERTE	WA6GXV	839-7107
	BOB ECKWEILER	WB6QNU	639-5074

EDITOR	NEIL VADNAIS	WA6TZA	839-7378
--------	--------------	--------	----------

OCARC ACTIVITIES

MEETING 3rd Friday of each month, 7:30 PM at:

Mercury Savings and Loan
1095 Irvine Blvd. (4th Avenue)
Tustin, California

GUESTS ARE ALWAYS WELCOME

BREAKFAST 1st Saturday of each month, 8:30 AM at:

Manny's Restaurant
17th Street at the Newport Freeway
Santa Ana, California

MEETS IN THE BACK OF THE ROOM

15M NET Club station W6ZE meets every Wednesday
 at 8:00 PM on 21.375 MHZ. All amateurs
 are welcome to check in. Club and ARRL
 bulletins read.

15M CW NET Club station W6ZE meets every Wednesday evening
 from 7PM to 8PM on 21.175 MHZ. All amateurs
 are welcome to check in. Lots of CW practice
 for everyone.

CALLBOOK SERVICE

The club has copies of the latest callbooks which are available at each meeting. Also, you can contact Martin-WB6PEX on Monday and Thursday evenings between 7:00 PM and 9:00 PM if you need addresses. If you have more than one call for Martin to check, he'll get them all and call you back the same night. Also, look for Martin after the Wednesday evening net.

RF

ORANGE COUNTY AMATEUR RADIO CLUB

FEB. 1974

THE PREZ SAYS :

As your president, I had the opportunity to attend the January 30 meeting of the Orange County Council of Amateur Radio Organizations (OCCARO). The meeting was well attended. In addition to Bill - W6CPB the SCM of Orange Section, Representatives were present from the following clubs:

- * Orange County Amateur radio club
- * Anaheim Amateur Radio Club
- * Fullerton Amateur Radio Club
- * Newport Amateur Radio Society
- * Orange County DX Club

Rick Nelson - WA6OBM, President of the Newport club (and member of OCARC) was elected chairman of OCCARO for 1974.

Many plans for possible activities in 1974 were discussed. They include:

- * a joint meeting of all clubs with a "top" speaker
- * a summer picnic
- * a united effort for TVI and ordinance problems

The main topic of the meeting was the possibility of a forth ARRL convention in Orange County. Your SCM, Bill - W6CPB, has already laid a lot of ground-work to have a convention in 1975. One of the items that I will bring up at our February meeting will be "does the OCARC want to support a convention in 1975 ?".

ARRL conventions are great events. There are a lot of fun and prizes for county hams as well as visiting hams from all over. Conventions are typically a source of several hundreds of dollars of income for each participating club. But, conventions don't just happen. They are the result of many hours of hard work by many individuals.

In addition to probably a \$100 contribution to start the convention activites, the OCARC will be asked to provide volunteers willing to work for the convention. First, the convention needs a chairman willing to head up "HAMCON", a corporation set up by the OCCARO. Second, the chairman will need a group of four to seven vice-chairman for such activities as prizes, finance, and registration. And third, many more individuals will be needed to perform tasks such as setting up and running stations, organizing "T" hunts, selling raffle tickets, etc.

THINK ABOUT IT. IT'S YOUR CLUB. IT TAKES YOUR HELP.

Ken - W6HHC

"RF"

ORANGE COUNTY AMATEUR RADIO CLUB

FEB. 1974

"KNOW YOUR CLUB OFFICERS"

ART SHELDON - WA6LHB — VICE PRESIDENT

Art was born on December 25, 1942 in Topeka, Kansas. When he was nine his family moved to Leavenworth, Kansas where he finished high school. After graduation, Art joined the Navy, came west to California, and was stationed in Long Beach. In 1963 he was discharged and went to work at the Orange Post Office. In October, 1964, he packed up his wife and No. 1 daughter and headed back to Leavenworth. There his dad got him to sit down and learn the code, which led to his first interest in Ham radio. But the interest was short lived, as it was back to Orange in November 1965, and back to the Post Office. In 1966 he went to work at M.C.A.S. (H) and met Tom Watson, now WA6DCX. Well, Tom got his novice and in 1968 Tom and Art's dad got to QSOing and it didn't take long for Art to get studying. In September, 1968 he got his novice ticket, and, with a Drake 1A, DX-60, and a fifteen meter inverted V, got on the air. On December 31, 1968 he got his general and on December 31, 1969 he got his advanced.

Art joined the OCARC in early 1970. In 1972 he couldn't attend the meetings, but occasionally he dropped into the club net. His interest include DX, Field Day, and fishing. He now works as an electrician for the Public Works Division at the Marine Corp Air Station, El Toro, California.

Art lives in Tustin with his XYL Jaycee, daughters Kelly and Robin, and son Ricky. You can usually find him on 15 and 20 meters CW and SSB using a tri-band, 2 element, cubical quad, SB-303 and SB-401.

JANUARY BOARD MEETING MINUTES . . .

The first OCARC Board Meeting of 1974 was held at Ken's - W6HHC residence at 8 PM on January 15, 1974, with all board members present, except Harold - WA6BJO, Treasurer.

The club poster was the first item attended to. Dick WA6TCB had made a replica of the club insignia in poster form, and the board unanimously agreed to place the poster at Henry Radio in Anaheim.

On a motion by Bob - WB6QNU, and seconded by Kei - W6NGO, the Board approved the sale of tickets to the public for the December raffle of the 2M-FM Hand-Held XCVR.

On a motion by Fried - WA6WZ0, and seconded by Ernie - WA6GXV, the board approved the alternate cash prize of \$150.00 for the December raffle.

On a motion by Ted - K6LJA, and seconded by Art - WA6LHB, the board approved the purchase of address plates for membership mailing, with a maximum expenditure of \$15.00.

The OCARC By-Laws were distributed to each new board member, with the explanation of the duties of each office holder.

Discussion was held on the acquisition of power generator on loan to the club, in the possession of Kei - NGO. No action was taken on this matter at the meeting, with the topic being held over for discussion at the next board meeting.

"RF"

ORANGE COUNTY AMATEUR RADIO CLUB

FEB. 1974

JANUARY BOARD MEETING MINUTES . . . (Con't)

Tina - WN6WFV, & Bob - QNU, reviewed the club financial records, and found them to be in proper order for turning over to Harold - WA6BJO, the club's 1974 Treasurer.

There being no further business, the board meeting adjourned at 9:45 PM.

OCARC JANUARY CLUB MEETING MINUTES . . .

January's club meeting was opened with the Pledge of Allegiance, followed by the introduction of the 1974 OCARC Board Members.

President Ken - HHC announced that "Mr. RF" would be returning to the club meetings, beginning with the February meeting.

Vice President Art - LHB introduced Dick - WA6TCB, who presented a slide show of his recent vacation, along with an account of his mobile operating activities while on the trip.

Art also reviewed a few of the upcoming programs to be presented.

The business of the January Board meeting was brought up, with the membership approving the selection of the 2M-FM XCVR as the December raffle prize.

There being no further business, the meeting adjourned at approximately 10 PM.

ERRATUM

A few "Goofs" crept into the January issue. The "History of the OCARC" inaccurately stated that Orange County was part of "Los Angeles Section" in the 1930's, when the club was formed. Shelly - W6BAM was kind enough to call and say the Orange County transferred into "San Diego Section" in 1927. Also the call of W6LDH (an early club member) should have been W6LDJ.

Also in the January issue, we inaccurately said that you can catch ARRL bulletins from Shelly - W6BAM at 8 PM on 7080 KHZ, Mondays, Wednesdays, and Fridays. The correct time for 40 meters is 8:30 PM.

January Meeting's Guests

Lonnie Lee Williams WA600Z
Earl Sutton WB6RIM
Bill Pickett WB8BWO
J. Bruce Randall WA6MUP

Fred Pfadt WA6VMI
A.E.C. Bates K4UMC
Gerrit Vande Blakenvort WN6BIN

NOTES

AUCTION: The Anaheim Amateur Radio Association and Northrop Radio Club is having their auction Friday, March 1st, at the Northrop Rec. Center, Valencia & Brookhurst, Fullerton, California. Doors open at 6:00 PM. Auction starts at 7:30 PM. Everyone is invited to take along any gear they want to sell. For further information, contact Jim Edds WA6HKW, 527-7831.

NOVICES: Bill - W6CPB, SCM, Orange Section, suggests to all novices to join the Novice Emergency Net. It meets Saturdays at 9:00 AM. Local time, on 3730 KHZ. Experienced traffic ops will be on frequency to teach newcomers the procedures. Any novices interested should contact WA6YWS, in Independence, Calif.

"Mr. RF": As discussed at the January meeting, the club is reinstating the "Mr. RF" portion of the club meetings. Our Publicity Chairman, Fried, WA6WZO, will designate Mr. RF before each meeting. Mr. RF will be unknown by anyone else, and will not be identified until coffee-break.

The idea is that everyone will greet other members and guests with a handshake, before the meeting starts. The person who shakes Mr. RF's hand on a certain count, determined by a pre-planned count of handshakes, is the winner. For example, WZO will inform someone before the meeting that he will be Mr. RF, and that the third person to shake Mr. RF's hand will be the winner. At coffee-break WZO will identify Mr. RF, who in turn will identify the third person to shake his hand that evening. Hence, the winner. The prize for the "Mr. RF" winner is either \$2.00 worth of raffle tickets for that same evening's raffle, or \$2.00 worth of tickets for the December 2M-FM Handi-Talkie raffle, winner's choice. So be sure to get in there and greet everyone with a handshake before the meeting!

HOME BREWERS: Bob Evans WB6IXN reports that the Lampson Intermediate School in Garden Grove has a vintage BC610-H xmtr. that may be picked up for a small donation. Separate speech modulators and an antenna tuner are included. This is about 400 lbs. of parts just waiting to be cannibalized. For further details, contact Hal Caudill, the school's Electronics Teacher, at 638-6366. Should you happen to purchase the unit, you'll undoubtedly find out whom your friends really are!!

DX'ers: February starts off with the ARRL International DX Competition, phone ops on the 2nd&3rd, and the brass-pounds to follow on the 16th&17th. The dates are identical for the March portion of the contest. So bring on the black coffee, and lets get going!! Any members participating are urged to report results to the RF for publishing.

THE OLD TIMERS' DIARY

It is with a feeling of deep regret that we read in this morning's paper (July 20th, 1937) the account of the passing of Senator Guglielmo Marconi and we also feel that it is only fitting and proper that we sidetrack the story that we had prepared for this month and endeavor, in our humble way, to pay tribute to an honest to goodness Old Timer who was, not only the Daddy of our hobby, but was decorated for his achievements by the ruler of practically every nation on earth, honored by a score of leading colleges, received the Noble Prize in 1909 and whose name was synonymous with radio all over the world and in every language.

Guglielmo Marconi was born in Bologna, April 25th, 1874 and at an early age showed a great fondness for things scientific and mathematical. In his youth he was a student at Leghorn Technical School and later became a disciple of the famous Professor Righi at the University of Bologna who had been for several years active in experiments with inductive telegraphy. It was from Professor Righi that Marconi learned of those strange and fascinating things called "Hertzian Waves" and it was at Bologna that he



Guglielmo Marconi in 1911

learned about all the experiments that had been made by Faraday, Maxwell, Hertz and many others, including the famous old Spanish physicist, Salva, who, in 1795 thought that if the earth at the Island of Majorca in the Mediterranean Sea was charged with a positive electricity, while that at Alicanti, Spain was negatively electrified, the attraction of the opposite charges would establish communication thru the water between the two places—this is the first record of the possibility of radio.

In 1904, Marconi started the first news report service to ships at sea and the installation of transmitters on some of the larger passenger liners. The Titanic was one of those ships and the survivors gave him a gold medal when wireless brought such speedy help resulting in so many lives being saved. In 1907, the first Marconi Wireless service between the United States and Europe was put into operation. During the World War Marconi was commissioned an officer in both the Army and Navy and was responsible for many noteworthy improvements in military communication. Another milestone in his life was when he succeeded in transmitting the human voice from Europe to Australia on May 30, 1924.

Marconi spent his declining years about his "Floating Electrical Laboratory" the Yacht "Elektra," experimenting with micro-waves as a means of curing the human ills without the surgeon's knife. The world has truly lost a great man and benefactor. His place will be hard to fill and it is with a lot of sadness that we sign SK.

While Marconi did not invent any new devices, to him goes the credit for taking the inventions and knowledge of his contemporaries and predecessors, eliminating some of their laboratory defects, and then combining them into a workable system of communication. He took Righi's Hertzian Oscillator for his transmitter, he took Hughes' metal filings Coherer and used it for his receiver, later patenting it; but most important of all, he redesigned Loomis' aerial so that it really worked as a radiator as well as a receiving antenna. In 1896 he took the whole system to England and there, on Salisbury Plain, sent and received a wireless message over a distance of two miles. On June 2nd, 1896, he filed patents in England and then set to work to increase his power until he was able to send transmissions over a distance of 120 miles.

At this point Marconi offered his developments to the Italian Government but his native country was not interested so he returned to England, sent a message across the English Channel to France and thereby gained the support and co-operation of the English postoffice department and Sir William Preece—the latter alliance causing a great deal of jealousy among the rest of the scientists—and together they laid plans to send a message across the Atlantic Ocean. A sending station was built at Poldu, England and on December 6th, 1901, Marconi and two assistants arrived from Europe and set up a receiving station at St. John's, Newfoundland. After several days of experimenting with different types of kites to carry their antenna wires far up into the sky, Marconi cabled the transmitting station to begin transmitting and then with one assistant, G. H. Kemp, present, he started listening for the signal—the pre-arranged code signal "S". The transmissions were started at 11:30 A.M. and continued for six days. Finally on December 12th, 1901, Marconi heard three faint dots in the receiver and the Atlantic ocean had been spanned by wireless with a 20 KW spark set.

Two days later Marconi released the results of the test to the press. The Press went wild—Pages filled with a mixture of disbelief and triumph—Wireless was on every tongue—Amateur Radio was born—The old long bearded scientists who had been working on this problem for so many years were "green-eyed" with resentment and jealousy, all except Thomas Edison who gloried in the 33 year old wizard's success and answered all doubters with—"If Marconi says it is true, it is true."

(Continued on Page 34)

RECOPIED FROM:

"The Radio Amateur News",

August, 1937

THAT'S IT FOR THIS MONTH . . .

NEIL - TZA

"RF"

ORANGE COUNTY AMATEUR RADIO CLUB

FEB. 1974

FEBRUARY MEETING

This month's program will be presented by W. R. Nelson, WA6FQG, Amateur Radio Representative for the Southern California Edison Company. The last time Mr. Nelson presented his program was three years ago. Many members asked to see the program again.

Programs are being selected by what the membership would like to see, so, if you have a program you would like to see, contact Art, WA6LHE.

1
ORANGE COUNTY AMATEUR RADIO CLUB, INC.
P.O. BOX 95
ORANGE, CALIFORNIA 92688

VOL. XV, NO. 2 - FEBRUARY, 1974

FIRST CLASS !!!!!

DATED MATERIAL !!!!!